

Notice of Allowability

Application No.

10/002,608

Examiner

Greg Cunningham

Applicant(s)

TSUKIZAKI ET AL.

Art Unit

2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE received 8/13/2004.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☒ The drawings filed on 13 August 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 11/19/03, 1/6/04, 9/02/04. (AFC.)
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other and IDS received 3/9/04.

DETAILED ACTION

1. This action is responsive to request for continued examination received 8/13/2004.
2. The disposition of the claims is as follows: claims 1-9 are pending in the application.
Claims 1, 3, 5 and 7-9 are independent claims.

Claim Rejections - 35 USC § 102

3. In view of amended claims and review of cited references, 102 rejections are withdrawn.

Allowable Subject Matter

4. Claims 1-9 are allowed.
5. The following is an examiner's statement of reasons for allowance:

Applicant's amended independent claims 1 and 8 stand novel over the related prior art. For instance, while the related art of Hall-Holt et al., (US Patent 6,754,370), does make use of patterns that consist of a set of parallel stripes defining projected stripe boundaries that are identified by stripe values on each side of the boundary; and the prior art of Komsthoeft et al., (US Patent 6,664,962), discloses a modified approach to move down to the next line in the texture whenever the system traverses a full line minus one texel in the line; neither Hall-Holt et al. nor Komsthoeft et al. disclose "dividing texture data into a plurality of texture lines each having a width of one dot; preparing a plurality of second three-dimensional object models, each second model based on one of said plurality of texture lines, by projecting said one texture line in a light traveling direction from a virtual light source while possessing color information by means of a shadow volume method, thereby forming a relationship between the texture line, the object model and the virtual light source in a three-dimensional space; and defining an

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intersecting part between each second object and the surface of the first object model as a region for rendering the associated texture line, thereby rendering the texture data on the surface of the first object model" as disclosed in claims 1 and 8.

B. Per independent claims 3, 5, and 7, these are directed to an apparatus, storage medium and program, respectively, for performing the method of independent claim 1, and therefore are allowed as correlated with independent claim 1.

C. Per independent claim 9, this is directed to an apparatus for performing the method of independent claim 8, and therefore is allowed as correlated with independent claim 8.

D. Claims 2, 4, and 6 depend from allowable independent claims 1, 3, and 5, respectively, and therefore are allowed.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

7. Applicant is reminded that in order to avoid an abandonment of this application, the drawings must be corrected in accordance with the instructions set forth in Paper No. .

Responses

8. Responses to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. If applicant desires to fax a response, (703) 872-9306 may be used for formal communications.

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Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,
Arlington, VA., Sixth Floor (Receptionist).

Inquiries

9. Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Greg Cunningham whose telephone number is (703) 308-6109.

The examiner can normally be reached on Monday - Thursday from 7:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's
supervisor, Matthew Bella, can be reached on (703) 308-6829.

Any inquiry of a general nature or relating to the status of this application or proceeding
should be directed to the receptionist whose telephone number is (703) 305-4700.

J.F. Cunningham, Examiner

gfc

October 14, 2004

Matthew C. Bella

MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600